

## CLAIMS

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1) A board-mounted electronic device, in particular a gas-lighting device for gas cookers, comprising:

5 a board (2) for supporting electronic components and supporting at least one conductive track (7a, 7b) for mutual connection of said electronic components, to form an electric circuit (3);

10 and at least one terminal (4a, 4b) for electrically connecting said circuit (3) and a respective insulated electric wire (5a, 5b) comprising an inner conductor (8a, 8b) with an insulating sheath (9a, 9b) coated and/or applied to the inner conductor (8a, 8b);

15 characterized in that said terminal (4a, 4b) comprises a metal blade (10a, 10b) formed in one piece with said track (7a, 7b) of said circuit (3), bent into an L outwards of the plane of the board (2) and carried integrally by the board (2); said blade (10a, 10b) being so formed as to define means (11a, 11b) for mechanically retaining and

20 electrically connecting said electric wire (5a, 5b), and which act on an end portion of said inner conductor (8a, 8b).

2) A device as claimed in Claim 1, characterized in that said blade (10a, 10b) comprises a respective slot (11a, 11b) having cutting edges (13', 13", 13', 14") for cutting said insulating sheath (9a, 9b); the slot (11a, 11b) comprising a respective semicircular seat (12a, 12b) of a diameter substantially equal to that of said inner

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conductor (8a, 8b) of the electric wire (5a, 5b) and in any case smaller than the diameter of the insulating sheath (9a, 9b); said slot (11a, 11b) receiving one end of said electric wire (5a, 5b) to cut said insulating sheath (9a, 9b) to such a depth as to establish contact between said blade (10a, 10b) and said inner conductor (8a, 8b) of the electric wire (5a, 5b), while at the same time forming a joint to mechanically retain the electric wire (5a, 5b) inside said seat (12a, 12b).

10 3) A device as claimed in Claim 2, characterized in that said slot (11a, 11b) is substantially in the form of a V-shaped groove for assisting insertion of said end of said electric wire (5a, 5b) inside said seat (12a, 12b), which is formed at the vertex of the V defining said groove.

15 *subm* 4) A device as claimed in Claim 5, characterized in that said circuit comprises a number of tracks (7a, 7b), each defined by a semicut metal strip applied to said board (2).

20 5) A device as claimed in Claim 4, characterized in that said board (2) is molded from synthetic plastic resin; said strips being co-molded with the board (2).

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